FIG. 1

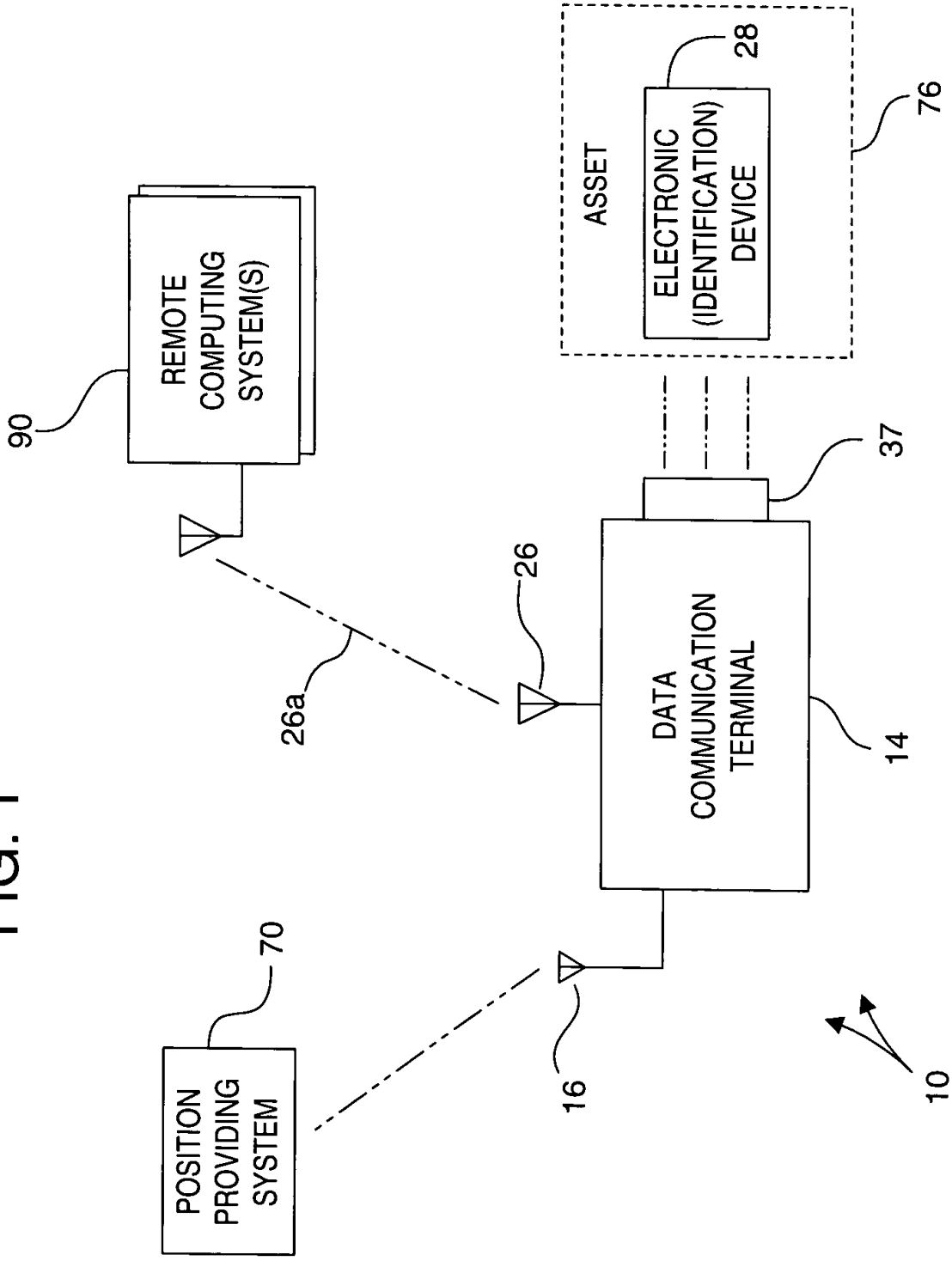

REMOTE COMPUTING SYSTEM(S)
90
ASSET
ELECTRONIC (IDENTIFICATION) DEVICE
28
76
37
26
26a
DATA COMMUNICATION TERMINAL
14
POSITION PROVIDING SYSTEM
70
16
10

FIG. 2

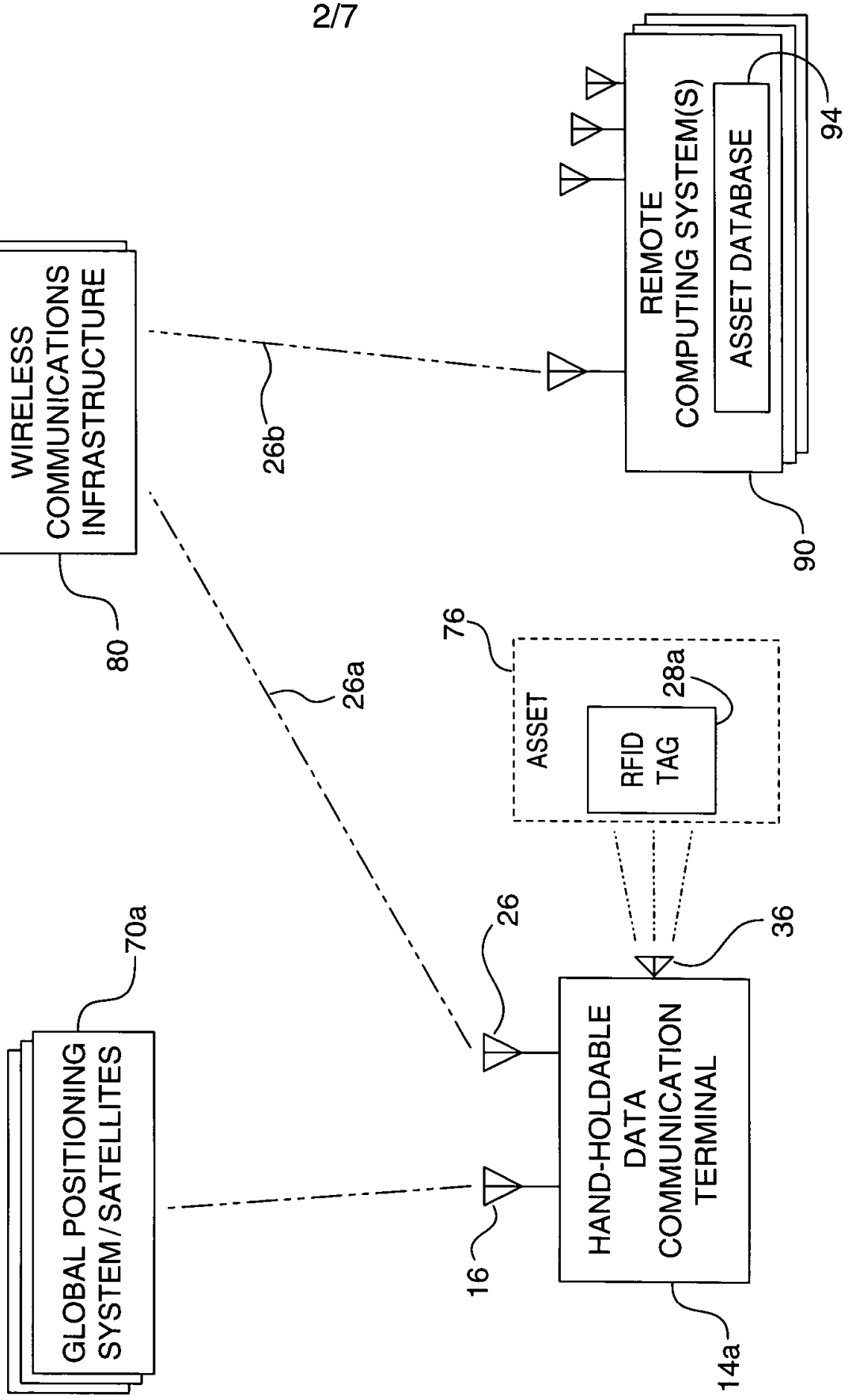

GLOBAL POSITIONING SYSTEM/SATELLITES
70a
WIRELESS COMMUNICATIONS INFRASTRUCTURE
80
REMOTE COMPUTING SYSTEM(S)
ASSET DATABASE
94
90
26b
26a
ASSET
RFID TAG
28a
76
HAND-HOLDABLE DATA COMMUNICATION TERMINAL
14a
16
26
36

Fig. 3

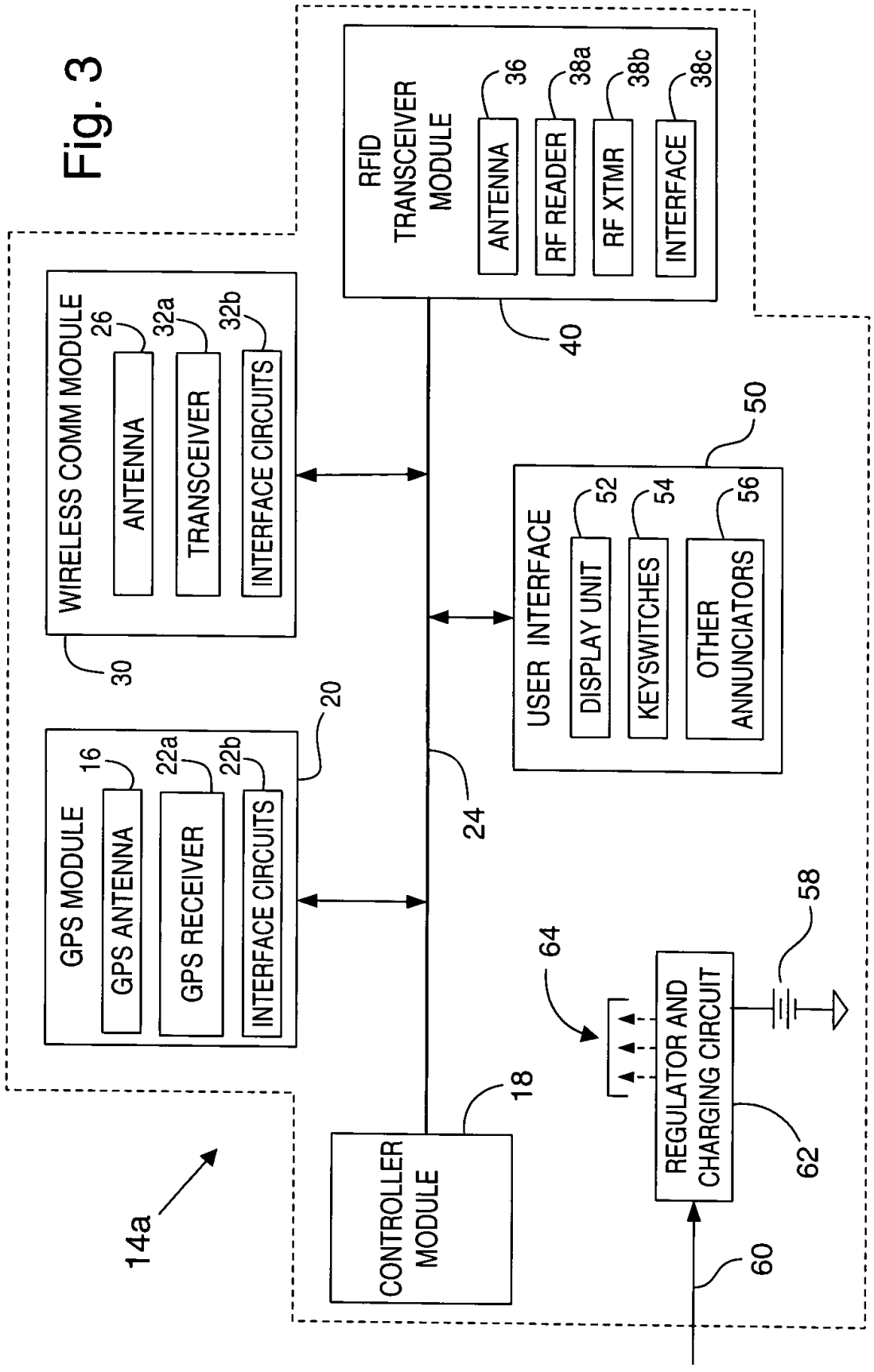

14a
CONTROLLER MODULE
18
REGULATOR AND CHARGING CIRCUIT
62
64
58
60
24
GPS MODULE
16
GPS ANTENNA
22a
GPS RECEIVER
22b
INTERFACE CIRCUITS
20
WIRELESS COMM MODULE
26
ANTENNA
32a
TRANSCEIVER
32b
INTERFACE CIRCUITS
30
RFID TRANSCEIVER MODULE
36
ANTENNA
38a
RF READER
38b
RF XTMR
38c
INTERFACE
40
USER INTERFACE
50
52
DISPLAY UNIT
54
KEYSWITCHES
56
OTHER ANNUNCIATORS

Fig. 4

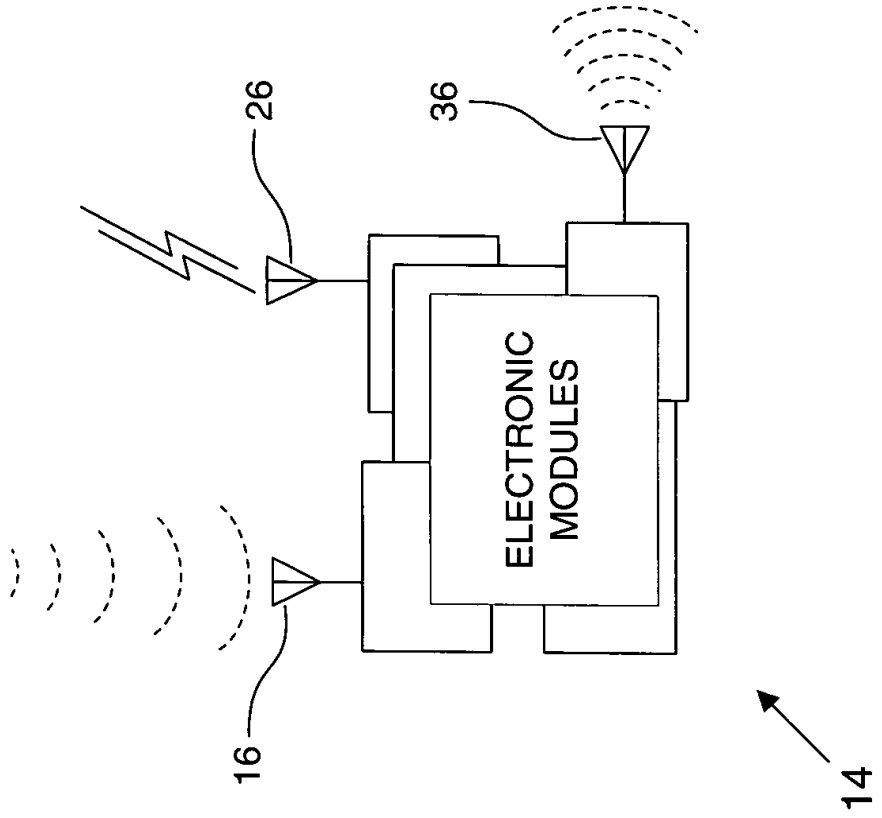


FIG. 5

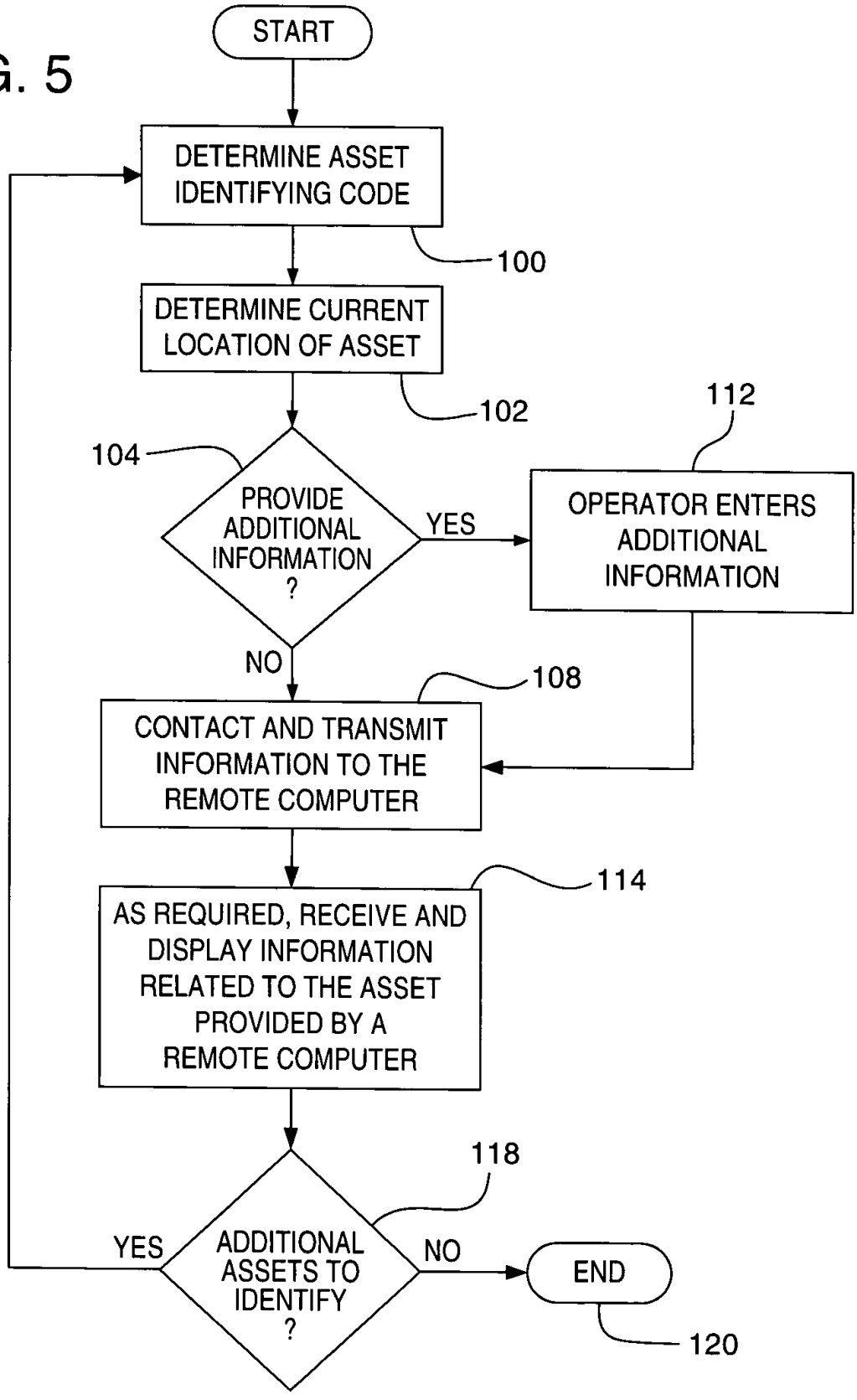

START
DETERMINE ASSET IDENTIFYING CODE
100
DETERMINE CURRENT LOCATION OF ASSET
102
104
PROVIDE ADDITIONAL INFORMATION ?
YES
112
OPERATOR ENTERS ADDITIONAL INFORMATION
NO
108
CONTACT AND TRANSMIT INFORMATION TO THE REMOTE COMPUTER
114
AS REQUIRED, RECEIVE AND DISPLAY INFORMATION RELATED TO THE ASSET PROVIDED BY A REMOTE COMPUTER
118
YES
ADDITIONAL ASSETS TO IDENTIFY ?
NO
END
120

FIG. 6

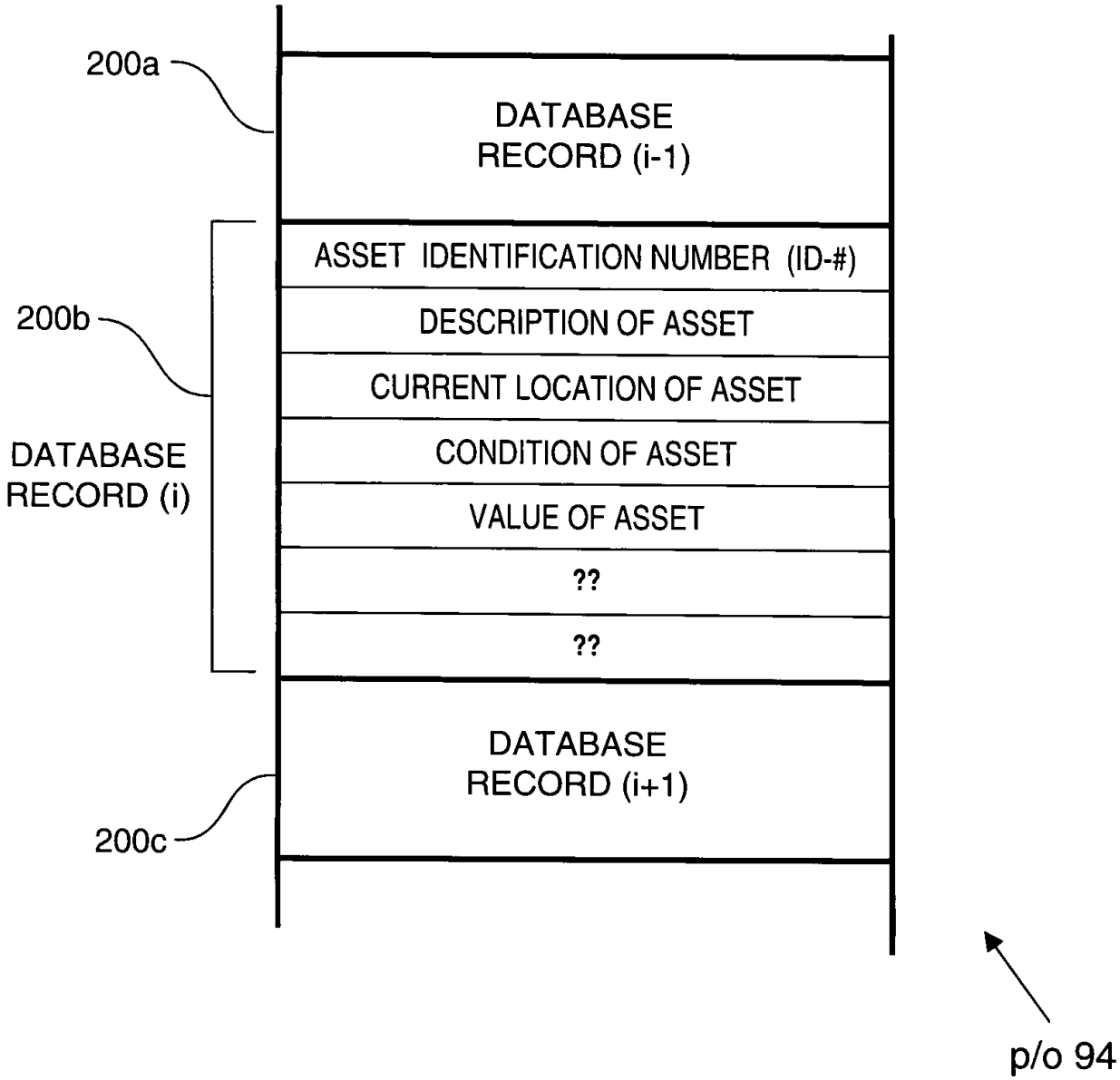
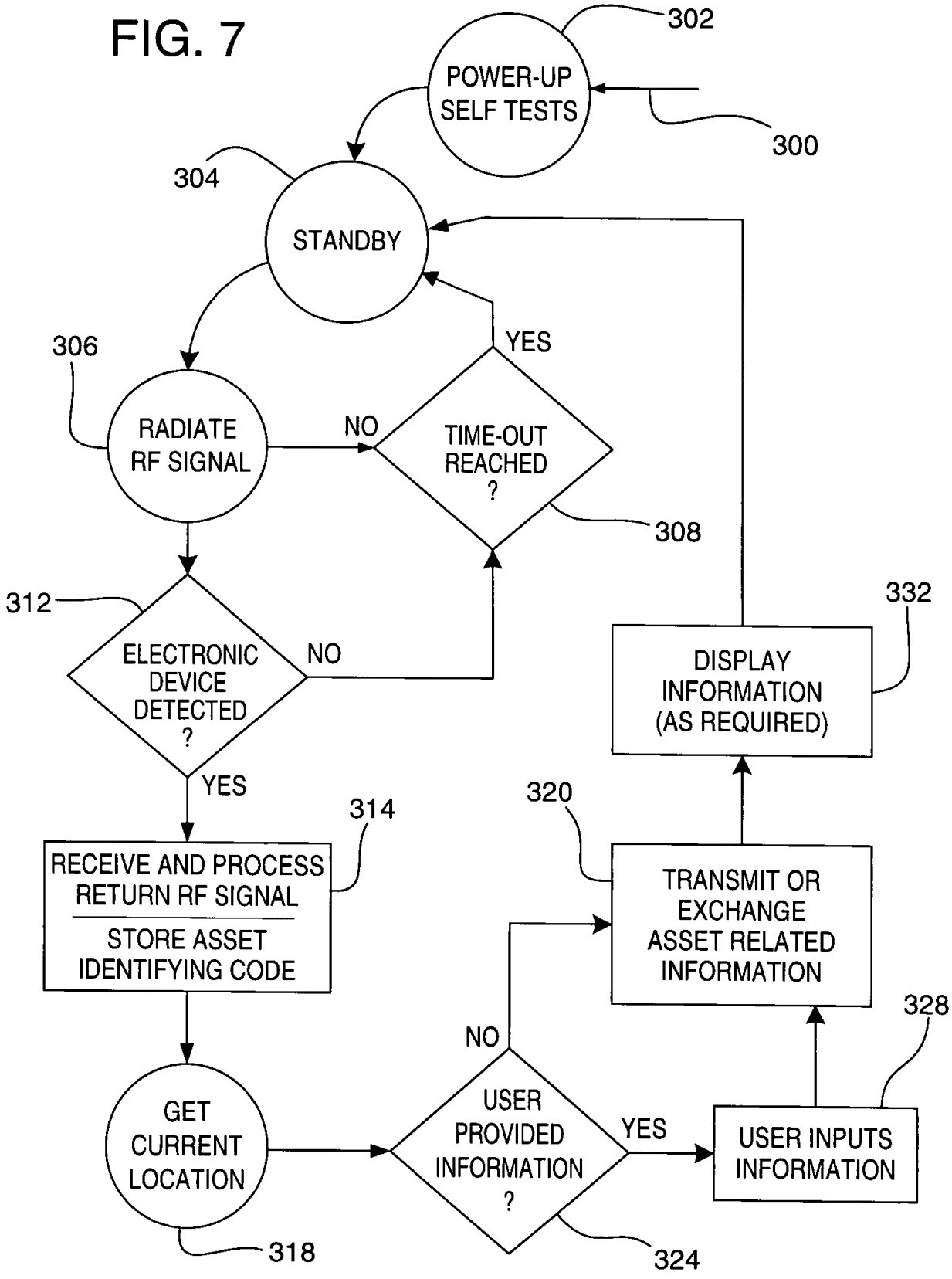

200a
DATABASE RECORD (i-1)
200b
DATABASE RECORD (i)
ASSET IDENTIFICATION NUMBER (ID-#)
DESCRIPTION OF ASSET
CURRENT LOCATION OF ASSET
CONDITION OF ASSET
VALUE OF ASSET
??
??
DATABASE RECORD (i+1)
200c
p/o 94

FIG. 7


302
POWER-UP SELF TESTS
300
304
STANDBY
306
RADIATE RF SIGNAL
NO
TIME-OUT REACHED ?
YES
308
312
ELECTRONIC DEVICE DETECTED ?
NO
YES
332
DISPLAY INFORMATION (AS REQUIRED)
314
RECEIVE AND PROCESS RETURN RF SIGNAL
STORE ASSET IDENTIFYING CODE
320
TRANSMIT OR EXCHANGE ASSET RELATED INFORMATION
328
GET CURRENT LOCATION
318
NO
USER PROVIDED INFORMATION ?
YES
324
USER INPUTS INFORMATION